

Claims

1. Retainer board (25, 27, 28) having at least one hole (10) in which a wire button contact (5) is inserted, wherein the hole (10) is plated and at least one conductor 5 (20) is connected to the plated hole for providing outside access.

2. Retainer board (25, 27, 28) according to claim 1, wherein the plated hole (10) is countersunk (13) in both ends.

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3. Arrangement (2, 3, 4, 30) comprising at least two circuit boards (11, 12, 29) having a pair of opposing substrate terminals (7), the arrangement moreover comprising a retainer board (25, 27, 28) having at least one plated hole (10) into which a wire button contact (5) is inserted, wherein at least one conductor (20) is connected to the plated hole for providing outside access to the wire button contact, the wire button contact (5) providing electrical connection between the pair of opposing circuit board terminals (7) of the circuit boards (11, 12, 29).

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4. Arrangement according to claim 3, wherein the retainer board (27, 28) is a multilayer board wherein dielectric layers (32) constitute the outer layers of a mid section of the multilayer retainer board (27, 28).

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5. Method for producing and testing an arrangement comprising stacked circuit boards comprising the steps of

detachably arranging at least two circuit boards (11, 12, 29) having a pair of opposing circuit board terminals (7) and a first retainer board (25, 27, 28) having at least one plated hole (10) into which a wire button contact (5) is inserted, wherein at least one conductor (20) is connected to the hole for providing outside access to the wire button contact, the wire button contact (5) providing electrical connection between the pair of opposing circuit board terminals (7) of the two circuit

10 boards,

testing the individual functionality of the circuit boards (11, 12) and if approved,

assembling the circuit boards (11, 12) and the first retainer board (25, 27, 28),
15 and asserting whether the overall functionality of the arrangement is approved.

6. Method according to claim 5, wherein upon overall approval of the arrangement, fixingly assembling the arrangement.

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7. Method according to claim 6, wherein the second retainer board (26) is produced from the first retainer board (25, 27, 28) by cutting off a protruding portion providing outside access of the first board.

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8. Method according to claim 5, wherein upon overall approval subsequently inserting a second retainer board (26), which is substantially identical to the first
30 retainer board (25, 27, 28).

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9. Method according to claim 8, wherein the second retainer board (26) is produced on the same tools as the first retainer board (25, 27, 28), but where the portion and means providing outside access are omitted.